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Claims:

1. Wireless transmission system designed for the transmission of data in the 60 GHz range,
the system comprising:
- a public download server connected to an information source, and
- a mobile terminal provided with a narrow beam antenna.
2. System according to claim 1,
characterized in that
the communication range is 20 meters or less.
3. System according to claim 1,
characterized in that
the public download server is connected to a broadband data highway or a main server
by means of an optical cable.
4. System according to claim 1,
characterized in that
the public download server is connected to a broadband data highway or a main server
by means of a wireless point-to-point connection.
5. System according to claim 1,
characterized in that
the public download server is connected to a broadband data highway or a main server
by means of a point-to-multipoint wireless local loop connection.
6. System according to claim 1,
characterized in that
the public download server and the mobile terminal are designed for a dual frequency
operation, one transmission frequency being the 60 GHz range and a second
transmission frequency being an intermediate frequency below the 60 GHz range.
7. System according to claim 1,

8. System according to claim 1,

the public domain server is provided with an antenna with a kidney shaped beam in cross-section.

10 characterized in that

the public domain server and the mobile terminal are designed exclusively for uploading/downloading content from the public domain server to the mobile terminal.

the system comprising:

- a fixed hub provided with a wide angle beam antenna, and
- a mobile terminal provided with a narrow beam antenna.

characterized in that

the communication range is 20 meters or less.

25 characterized in that

the fixed hub is connected to a broadband data highway or a main server by means of an optical cable.

30 characterized in that

the fixed hub is connected to a broadband data highway or a main server by means of a wireless point-to-point connection.

35 characterized in that

the fixed hub is connected to a broadband data highway or a main server by means of a multipoint wireless local loop connection.

15. System according to claim 10,

the fixed hub and the mobile terminal are designed for a dual frequency operation, one transmission frequency being the 60 GHz range and a second transmission frequency being an intermediate frequency below the 60 GHz range.

16. System according to claim 10,
characterized in that
the fixed hub is provided with an antenna with a kidney shaped beam in cross-section.

15 18. ~~Wireless transmission system designed for the transmission of data in the 60 GHz range,~~
the system comprising at least two mobile terminals respectively provided with a narrow-angle antenna for communication with each other.

20. System according to claim 18,
25 characterized in that
the mobile terminals are respectively provided with game software to enable the users to
play games with each other by means of the mobile terminals.

35 22. Wireless transmission system,
comprising a plurality of public access server and at least one mobile terminal,
wherein the mobile terminal is designed to upload/download content from the public
access server by means of a wireless transmission and the public download server all
operate with the same transmission frequency in a non-licensed frequency band.

5 23. Wireless transmission system according to claim 22,
characterized in that
the communication between the mobile terminal and respectively a public access server
is free of charge.

24. Wireless transmission system according to claim 22,
characterized in that
the uploading/downloading of content is charged to the user of the mobile terminal.

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AS 25. Wireless transmission system according to claim 22,
characterized in that
there is no hand-over between adjacent public access server.

15 26. Method for uploading and/or downloading content from a public access server
to/from mobile terminals over an air interface,
wherein the air interface uses a non-licensed frequency band and the transmission itself
is free of charge.

20 27. Method according to claim 26,
characterized in that
the user of a mobile terminal is charged for uploading/downloading content.

25 28. Method according to claim 26,
characterized in that
a service provider is owner of at least one public access server.

30 29. Method according to claim 26,
characterized in that
the non-licensed frequency band is a 60 GHz band.

30. Method according to claim 26,
characterized in that
the public access server is installed in a large hall environment.

35 31. Method according to claim 26,
characterized in that
the public access server is installed in public vehicles.

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32. Method according to claim 26,
characterized in that
the public access server is installed facing sidewalks.

5 33. Method according to claim 26,
characterized in that
the public access server is installed at gas stations or traffic lights.

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A6~~

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B1~~

~~Add
C1~~

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